GETINGE HOROZONTAL DOOR SYSTEMS

DESCRIPTION	PART #	ITEM #	-92		92a		NOTE
			< 49X57	> 49 x 57	< 49X57	> 49 x 57	
ASSMEMBLY DRAWING #			5607301	5607499	5625142	5625143	
TIMING BELT	BELT0001	877920103	X	X	X	X	1
DOOR GUIDE ROLLER SOCKET	DRSYS0004	560726501	X	X	X	X	2
DOOR GUIDE ROLLER	DRSYS0005	560560301	X	X	X	X	2
AIR MOTOR ASSEMBLY & COG		560726670	X	X			
AIR MOTOR REPLACEMENT	AIRMO0001		X	X			1
AIR MOTOR COG REPLACEMENT	AIRMO0003	MSD0463	X	X			1
AIR MOTOR ASSEMBLY & COG	AIRMO0004	561384670			X	X	1
CATCH UNIT CYLINDER	DRSYS0006	560563601	X	X	X	X	1
CATCH UNIT CYLINDER AXLE	DRSYS0011	560560001	X	X	X	X	1
CATCH UNIT CYLINDER ROLLER	DRSYS0007	560559902	X	X	X	X	1
CATCH UNIT ROLLER BUSHING	DRSYS0008	738187000	X	X	X	X	2
CATCH UNIT CYL AXLE BUSHING	DRSYS0009	738190100	X	X	X	X	1
TIMING BELT BACKER ROLLER	DRSYS0001	560678901	X	X			2
TIMING BELT BACKER ROLLER	DRSYS0012	561383001			X	X	2
BACKING ROLLER BUSHING	DRSYS0003	560725901	X	X			2
BACKING ROLLER DUST CAP	DRSYS0017	560678903	X	X			2
BACKING ROLLER BALL BEARING	DRSYS0002	738210102	X	X			4
BACKING ROLLER BALL BEARING	DRSYS0013	738220254			X	X	2
DOOR RAIL LINEAR BALL BUSHING	DRSYS0010	560730001	X		X		2
DOOR RAIL LINEAR BALL BUSHING	DRSYS0010	560730001		X		X	4
LEVELING FOOT	FOOT0006	560598606	X	X	X	X	1
PNEUMATIC LIMIT SWITCH	SWITL0008	560507601	X	X	X	X	1
PNEUMATIC SAFETY VALVE	DRSYS0018	561383302			X	X	1
INTERLOCK SAFETY SWITCH KEY	SWISA0002	XCKY09	X	X			1
DOOR STOP BUMPER	STOPS0002	470825502	X		X		1
DOOR STOP BUMPER	STOPS0001	470825501		X		X	1
AIR MOTOR LIMIT PLUNGER	DRSYS0019	561383501			X	X	1
AIR MOTOR LIMIT PLUNGER FOOT	DRSYS0020	561383201			X	X	1
AIR MOTOR PLUNGER GUIDE	DRSYS0014	561259804			X	X	1
AIR MOTOR PLUNGER BUSHING	DRSYS0015	561259803			X	X	1
AIR MOTOR PIVOT SHAFT	DRSYS0021	561383101			X	X	1
AIR MOTOR PIVOT SHAFT BUSHING	DRSYS0008	738187000			X	X	2
AIR MOTOR STUB SHAFT	DRSYS0022	561383102			X	X	1
DOOR TRAVEL LIMIT SWITCH	DRSYS0023	460212903			X	X	1

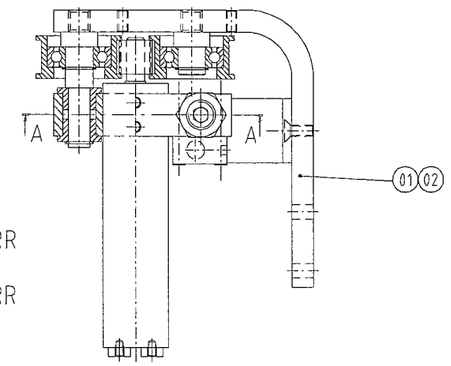
1 ORDER TIMING BELT LENGTH EQUAL TO CHAMBER WIDTH PLUS 500MM, ROUND UP TO THE NEAREST METER.
2 SPECIFY LEFT OR RIGHT HAND DOOR OPERATION
3 CHAMBERS WITH AN ASME NB # ABOVE 2443 WILL USE 92A COMPONENTS
4 REFER TO OPERATING MANUAL FOR INFORMATION
5 ALWAYS REFERENCE PROJECT NUMBER WHEN ORDERING

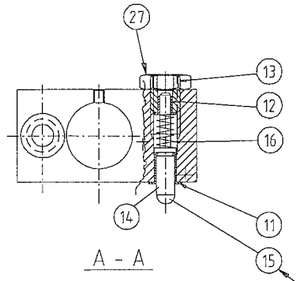
NO	REVISION	DATE	SIGN	SIGN
1	GE-10077	95-01-25	AC	AC
2	DET.27 TILLK.	95-04-10	AC	AC
3	GE-10386	96-11-21	AC	AC

VÄNSTER

GRUPP -72 100 - DÖRR

GRUPP -74 150 - DÖRR





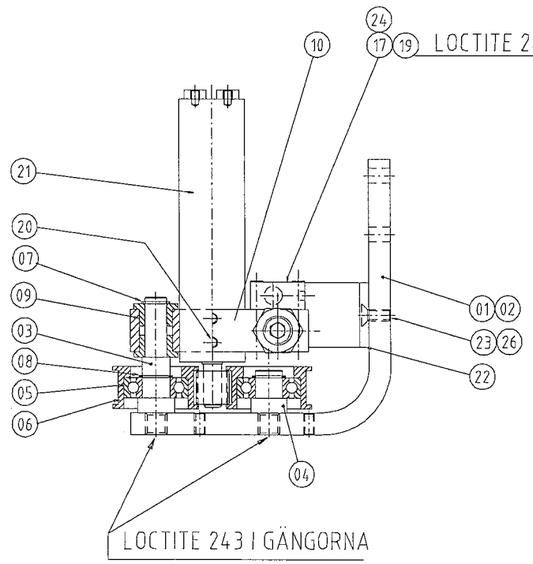
A - A

SLIPAS TILL SAMMA DIAM. SOM DET. 14

HÖGER

GRUPP -71 100 - DÖRR

GRUPP -73 150 - DÖRR



LOCTITE 243 I GÄNGORNA

(Gr.-73 och -74 även till "tung dörr")

				1	27	MUTTER NUT	731 43 24-40	ML6M 16 A2
				2	26	BRICKA	734 11 53-09	BRB 6,4 x 12
1	1	1	1		25	GEM. DETALJER COMMON DET.	561 39 60-70	
				2	24	SKRUV SCREW	724 12 30-40	MRX M3x20 A2
				2	23	SKRUV SCREW	725 23 68-40	M6S 6 x 16 A2
				1	22	ANSLAG STOP	561 43 41-01	
				1	21	MOTOR M DREV MOTOR W WHEEL	561 38 46-70	
				1	20	STOPPSKRUV SCREW	728 83 60-09	SK6SS 6 x 6
				2	19	BRICKA WASHER	735 11 24-40	FBB 3,1 A2
					18			
				1	17	PNEUM VENTIL PNEUM VALVE	561 38 33-02	NO
				1	16	FJADER SPRING	737 23 67-40	
				1	15	FOT FOOT	561 38 32-01	
				1	14	PLUNGE PLUNGER	561 38 35-01	
				1	13	SKRUV SCREW	561 38 34-01	M 16
				1	12	LAGER BUSHING	561 25 98-03	06 08 - 10
				1	11	LAGER BUSHING	561 25 98-04	10 12 - 17
				1	10	MOTORBLOCK MOTOR BLOCK	561 43 42-01	
				2	09	BUSSNING BUSHING	738 18 70-00	
				2	08	SPÄRRING SPRING CLIP	735 31 17-09	SgA 15
				1	07	SPÄRRING SPRING CLIP	735 31 14-09	SgA 12
				2	06	STÖDRULLE BACKING ROLLER	561 38 30-01	✓
				2	05	KULLAGER BALL BEARING	738 22 02-54	
				1	04	AXEL SHAFT	561 38 31-02	-
				1	03	AXEL SHAFT	561 38 31-01	
1	1				02	MOTORFÄSTE MOTORHOLDER	561 38 26-02	
		1	1		01	MOTORFÄSTE MOTORHOLDER	561 38 26-01	
74	73	72	71	70	Pos no	Benämning Description	Material eller ritn nr Material or drawing no	Dimension, Anm Dimension, Note
		Gruppering Group	Antal Qty.					

GETINGE

(C) COPYRIGHT GETINGE AB 1995 SWEDEN

DATE 94 05 06 | COPIED FROM

DESIGNED AC | CHECKED AC

GENERAL TOLERANCES ACCORDING TO GETINGE PRODUCTION HAND BOOK 0821 | GENERAL SURFACE ROUGHNESS, Ra

PROG NO. | REPLACES | REPLACED BY

MOTORENHET
MOTOR UNIT

SCALE 1:2 | DWG NO. 561 39 60 | REVISION | SHEET

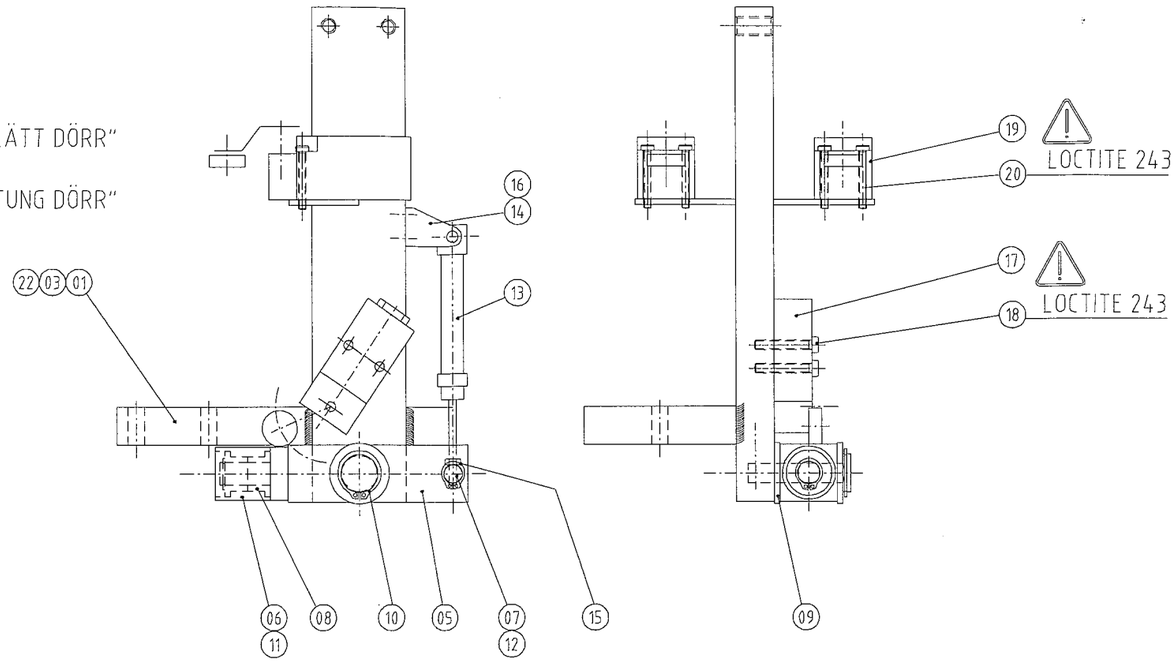
92 A

GENERATOR

NO	REVISION	DATE	SIGN	SIGN
1	GE 10668	97 12 01	AC	AC

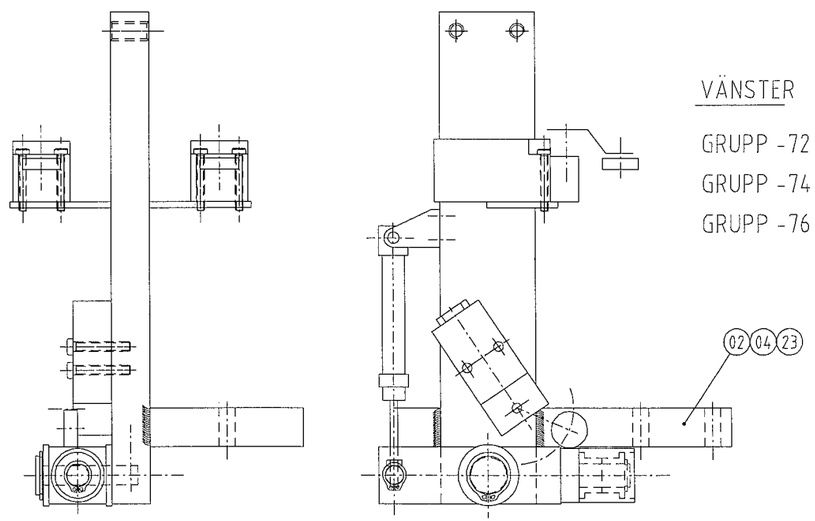
HÖGER

GRUPP -71 100 - DÖRR } "LÄTT DÖRR"
GRUPP -73 150 - DÖRR }
GRUPP -75 150 - DÖRR "TUNG DÖRR"



VÄNSTER

GRUPP -72 100 - DÖRR } "LÄTT DÖRR"
GRUPP -74 150 - DÖRR }
GRUPP -76 150 - DÖRR "TUNG DÖRR"



76	75	74	73	72	71	70	Pos. no	Benämning Description	Material eller ritn. nr Material or drawing no	Dimension, Ann. Dimension, Note
				Grupp Group	Antal Qty					
1							23	FASTANORDN. ATTACHMENT	562 51 61 - 71	V
	1						22	FASTANORDN. ATTACHMENT	562 51 61 - 70	H
1	1	1	1	1	1		21	GEM. DETALJER COMMON DET.	561 39 62 - 70	
						4	20	SKRUV SCREW	724 12 99 - 40	MRX 4 x 30
						2	19	GR L BRYTARE LIMIT SWITCH	570 07 23 - 01	
						2	18	SKRUV SCREW	724 13 35 - 40	MRX 5 x 30
						1	17	PNEUM BRYTARE LIMIT SWITCH	560 50 76 - 01	
						2	16	SKRUV SCREW	725 52 70 - 40	MC6S 4 x 6
						1	15	MUTTER NUT	731 23 12 - 40	M6M 4
						1	14	SVÄNGFASTE CYL. HÖLDER	560 56 36 - 02	
						1	13	CYLINDER CYLINDER	560 56 36 - 01	
						2	12	SPÄRRING SPRING CLIP	735 31 12 - 09	Sga 10
						1	11	SPÄRRING SPRING CLIP	735 31 14 - 09	Sga 12
						1	10	SPÄRRING SPRING CLIP	735 31 22 - 09	SgA 20
						2	09	BUSSNING BUSHING	738 19 01 - 00	20 x 15
						2	08	BUSSNING BUSHING	738 18 70 - 00	12 x 12
						1	07	AXEL SHAFT	560 56 00 - 01	
						1	06	RULLE ROLLER	560 55 99 - 02	
						1	05	SPÄRR	560 55 99 - 01	
		1					04	FÄSTANORDN ATTACHMENT	562 51 60 - 71	V
			1				03	FÄSTANORDN ATTACHMENT	562 51 60 - 70	H
				1			02	FÄSTANORDN ATTACHMENT	562 51 59 - 71	V
					1		01	FÄSTANORDN ATTACHMENT	562 51 59 - 70	H

DRSYS0008
DRSYS0007

GETINGE

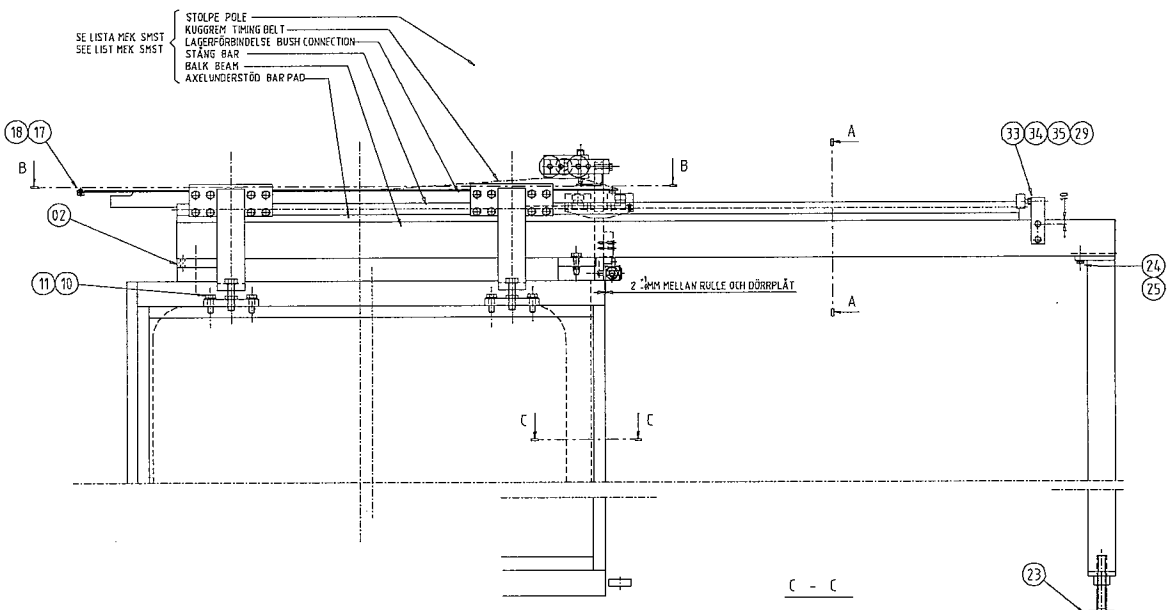
(C) COPYRIGHT GETINGE AB 1997 SWEDEN

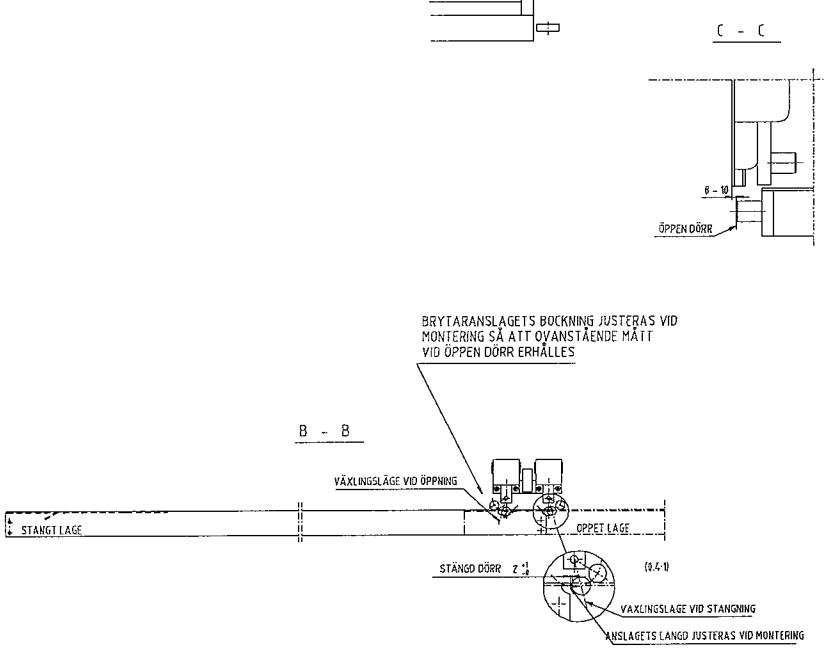
DATE 94 05 25 | COPIED FROM
DESIGNED AC | CHECKED AC
GENERAL TOLERANCES ACCORDING TO GETINGE PRODUCTION HAND BOOK 0821 | GENERAL SURFACE ROUGHNESS, Ra
PROG. NO. | REPLACES | REPLACED BY

SPÄRRENHET
CATCH UNIT

SCALE 1:2 | DWG. NO. 561 39 62 | REVISION SEE UPPER CORNER | SHEET

NO	REVISION	DATE	SIGN	CHECK
1	GE 10235	960111	AC	AC




B - B
VÄXLINGSLÄGE VID ÖPPNING
STÄNGT LÄGE
ÖPPET LÄGE
STÄNGD DÖRR 2 +1
(0,4-1)
VÄXLINGSLÄGE VID STÄNGNING
ANSLAGETS LÄNGD JUSTERAS VID MONTERING
BRYTARANSLAGETS BOCKNING JUSTERAS VID MONTERING SÅ ATT OVANSTÅENDE MÅTT VID ÖPPEN DÖRR ERHÅLLES

1					45	SPAREPART KIT	562 51 42 - 99	(As 0 - 600 kg door)
					44	SKRUV SCREW	725 54 55 - 01	MC6S 8 x 30 FZ
					43	BRICKA WASHER	734 11 53 - 09	BRB 6,4 x 12 A2
					42	SKRUV SCREW	725 24 59 - 40	M6S 8 x 40 A2
					41	GEMENS. DET. COMMON DETAILS	562 51 43 - 70	
					40	MONTERINGSANV. ASSEMBLY INST	562 51 94	
					39	KÅPA CAP	561 38 68 - 01	
					38	SKRUV SCREW	728 54 89 - 40	P6SS 10 x 16 A2
					37	SKRUV SCREW	725 26 32 - 45	M6S 16 x 60 A2 - 70
					36	SKRUV SCREW	725 23 66 - 40	M6S 6 x 12 A2
					35	FASTEF. BUFFERT HOLDER	561 01 03 - 01	
					34	MUTTER NUT	731 23 18 - 40	M6M 8 A2
					33	ANSLAGSBUFFERT BUFFER	470 82 55 - 01	M8
					32	BRICKA WASHER	734 11 86 - 09	BRB 17 x 30 A2
					31			
					30	LAGERHUS BUSHING HOUSING	562 50 79 - 01	
					29	SKRUV SCREW	725 24 55 - 40	M6S 8 x 30 A2
					28	SKRUV SCREW	725 23 27 - 40	M6S 5 x 12 A2
					27	BRICKA WASHER	734 11 73 - 09	BRB 10,5 x 20 A2
					26	SKRUV SCREW	725 24 95 - 40	M6S 10 x 30 A2
					25	BRICKA WASHER	734 11 64 - 09	BRB 8,4 x 16 A2
					24	SKRUV SCREW	725 24 51 - 40	M6S 8 x 20 A2
					23	MASKINSKO FOT	560 59 86 - 06	M20
					22	SKRUV SCREW	560 72 84 - 01	MS A2
2					21	KULBUSSNING BALL BUSHING	560 73 00 - 01	
					20	SKRUV SCREW	729 57 90 - 01	ST 4,2 x 9,5 A2
					19	LOCK CAP	560 75 95 - 01	
					18	SKRUV SCREW	724 13 25 - 40	MRX 5 x 10 A2
					17	REMLÅS BELT LOCK	561 38 27 - 01	
					16	MOTORENHET MOTOR UNIT	561 39 60 - 74	
					15	MOTORENHET MOTOR UNIT	561 39 60 - 73	
					14			
					13	UPPHÄNGNJÄRN SUPPORT BRACK	560 74 98 - 71	
					12	UPPHÄNGNJÄRN SUPPORT BRACK	560 74 98 - 70	
					11	BRICKA WASHER	734 11 78 - 09	BRB 13 x 24 A2
					10	SKRUV SCREW	725 25 36 - 40	M6S 12 x 30 A2
					09	MUTTER NUT	731 43 24 - 40	ML6M 16 A2
					08	SKRUV SCREW	560 72 60 - 02	M16 x 75h A2
					07	DÖRRFASTE DOOR HOLDER	560 72 62 - 01	
					06			
					05			
					04	SPÄRRENHET CATCH UNIT	561 39 62 - 76	
					03	SPÄRRENHET CATCH UNIT	561 39 62 - 75	
					02	BALKFASTE BEAM HOLDER	560 74 95 - 01	L=212
					01			
PL	TY GROUP	TY GROUP	TY AMT		Pos nr	Benämning Description	Material eller närm. yt Material or shaping ap	Dimension, Ämne Dimension, Note

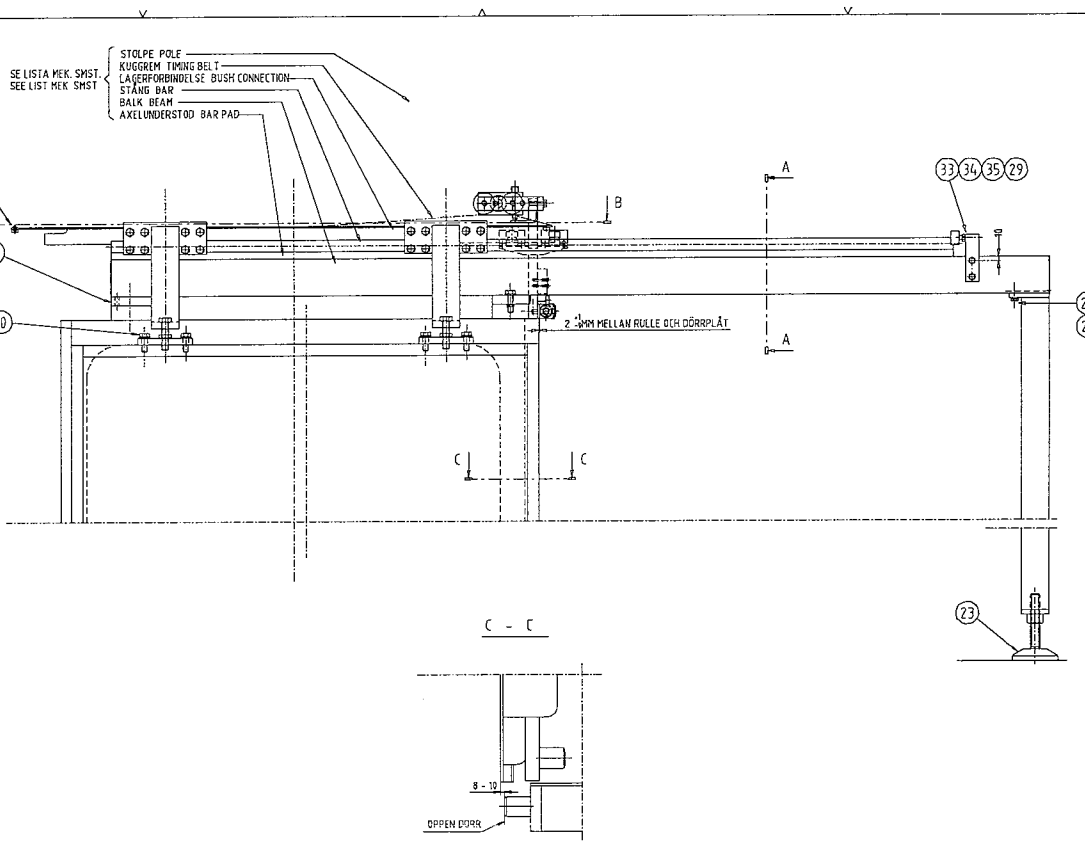
SPAREPART KIT (FOR ONE DOOR)

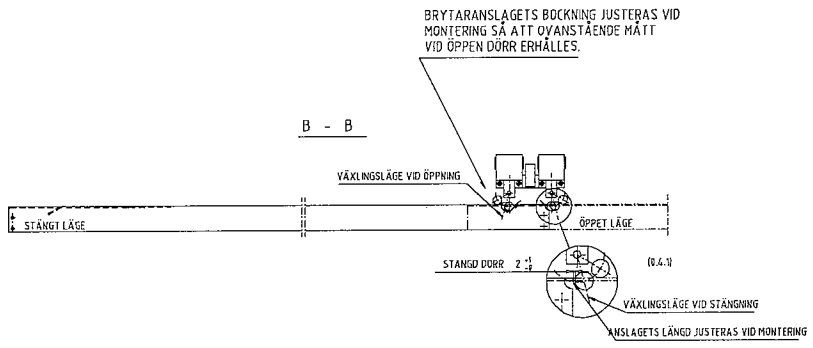
OBS ! RITN. EJ SKALENLIG !

GETINGE	DATE 96 01 25
© COPYRIGHT GETINGE AB 1996 SWEDEN	DESIGNED AC
	CHECKED AC
	COPIED FROM
	GENERAL TOLERANCES ACCORDING TO GETINGE PRODUCTION HAND BOOK GE/PT
	GENERAL SURFACE ROUGHNESS GA
	REPLACES
	REPLACED BY
	SCALE
	DWG NO 562 51 43
	SHEET 2/2

SPAREPART KIT 92A
DOOR SUSPENSION
600 - 1600 KG DOOR WEIGHT

NO	REVISION	DATE	SIGN	CHECK
1	GE 10235	960111	AC	AC




B - B
VÄXLINGSLÄGE VID ÖPPNING
STÄNGT LÄGE
ÖPPET LÄGE
STÄNGD DÖRR 2 +1
(0,4-1)
VÄXLINGSLÄGE VID STÄNGNING
ANSLAGETS LÄNGD JUSTERAS VID MONTERING
BRYTARANSLAGETS BOCKNING JUSTERAS VID MONTERING SÅ ATT OVANSTÅENDE MÅTT VID ÖPPEN DÖRR ERHÅLLES.

					45			
				10	44	SKRUV SCREW	725 54 55 - 01	MC6S 8 x 30 FZ
				16	43	BRICKA WASHER	734 11 53 - 09	BRB 6,4 x 12 A2
				4	42	SKRUV SCREW	725 24 59 - 40	M6S 8 x 40 A2
1	1	1	1		41	GEMENS. DET. COMMON DETAILS	562 51 43 - 70	
				1	40	MONTERINGSANV. ASSEMBLY INST	562 51 94	
				1	39	KÅPA CAP	561 38 68 - 01	
				8	38	SKRUV SCREW	728 54 89 - 40	P6SS 10 x 16 A2
				4	37	SKRUV SCREW	725 26 32 - 45	M6S 16 x 60 A2 - 70
				16	36	SKRUV SCREW	725 23 66 - 40	M6S 6 x 12 A2
				1	35	FÄSTE F. BUFFERT HOLDER	561 01 03 - 01	
				1	34	MUTTER NUT	731 23 18 - 40	M6M 8 A2
				1	33	ANSLAGSBUFFERT BUFFER	470 82 55 - 01	M8
				4	32	BRICKA WASHER	734 11 86 - 09	BRB 17 x 30 A2
					31			
				4	30	LAGERHUS BUSHING HOUSING	562 50 79 - 01	
				4	29	SKRUV SCREW	725 24 55 - 40	M6S 8 x 30 A2
				8	28	SKRUV SCREW	725 23 27 - 40	M6S 5 x 12 A2
				16	27	BRICKA WASHER	734 11 73 - 09	BRB 10,5 x 20 A2
				16	26	SKRUV SCREW	725 24 95 - 40	M6S 10 x 30 A2
				4	25	BRICKA WASHER	734 11 64 - 09	BRB 8,4 x 16 A2
				2	24	SKRUV SCREW	725 24 51 - 40	M6S 8 x 20 A2
				1	23	MASKINSKO FOT	560 59 86 - 06	M20
				4	22	SKRUV SCREW	560 72 84 - 01	MS A2
				4	21	KULBUSSNING BALL BUSHING	560 73 00 - 01	
				4	20	SKRUV SCREW	729 57 90 - 01	ST 4,2 x 9,5 A2
				2	19	LOCK CAP	560 75 95 - 01	
				4	18	SKRUV SCREW	724 13 25 - 40	MRX 5 x 10 A2
				2	17	REMLÅS BELT LOCK	561 38 27 - 01	
1		1			16	MOTORENHET MOTOR UNIT	561 39 60 - 74	
	1		1		15	MOTORENHET MOTOR UNIT	561 39 60 - 73	
					14			
2	2				13	UPPHÄNGN.JÄRN SUPPORT BRACK	560 74 98 - 71	
		2	2		12	UPPHÄNGN.JÄRN SUPPORT BRACK	560 74 98 - 70	
				8	11	BRICKA WASHER	734 11 78 - 09	BRB 13 x 24 A2
				4	10	SKRUV SCREW	725 25 36 - 40	M6S 12 x 30 A2
				2	09	MUTTER NUT	731 43 24 - 40	ML6M 16 A2
				2	08	SKRUV SCREW	560 72 60 - 02	M16 x 75h A2
				2	07	DÖRRFASTE DOOR HOLDER	560 72 62 - 01	
					06			
					05			
1		1			04	SPÄRRENHET CATCH UNIT	561 39 62 - 76	
	1		1		03	SPÄRRENHET CATCH UNIT	561 39 62 - 75	
1	1	1	1		02	BALKFASTE BEAM HOLDER	560 74 95 - 01	L=212
					01			
PL	TY GROUP	TY GROUP	TY AMT		Pos nr	Benämning Description	Material eller närm. yt Material or shaping ap	Dimension, Ämne Dimension, Note

- 71 150 - DÖRR H
- 72 150 - DÖRR V
- 73 150 - DÖRR H } GEE
- 74 150 - DÖRR V

OBS ! RITN. EJ SKALENLIG !

GETINGE	DATE 94 10 17
© COPYRIGHT GETINGE AB 1994 SWEDEN	DESIGNED AC
	CHECKED AC
	COPIED FROM
	GENERAL TOLERANCES ACCORDING TO GETINGE PRODUCTION HAND BOOK GE/PT
	GENERAL SURFACE ROUGHNESS GA
	REPLACES
	REPLACED BY
	SCALE
	DWG NO 562 51 43
	SHEET 1/2

DÖRRUPPHÄNGNING 92A
DOOR SUSPENSION
600 - 1600 KG

INSTALLATION INSTRUCTIONS

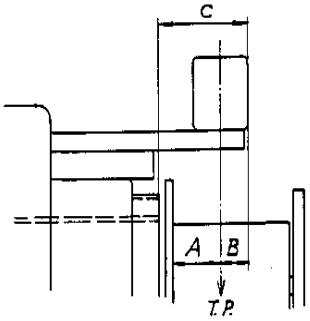
Horizontally opening motor-operated door Door system 92A

These instructions replace all instructions of this number with an earlier issue date.
NOTE: Only users registered with the publisher will automatically receive updated versions of these instructions.
Issued by: Anders Carlsson

Assembly

As the force available for opening or closing the door is very low, it is important that the door is correctly hung so that it can move freely, with no other friction than that of the ball bearing track.
It is therefore important that the sterilizer is correctly installed, levelled and plumbed in accordance with its installation instructions before starting to fit the door.

1. Lift the door and use the pins to support it in the appropriate lugs. Fit transportation spacers (1) in two lugs on each side of the door. This hangs the door at approximately the right height.
2. Attach the beam holder (2) and the beam (3) and adjust to horizontal using the adjusting bolts (4). Adjust the beam roughly to its correct fore-and-aft position using the settings in the table below.



Door weight, kg	Door thick-ness, mm	Dimensions, mm		
		A	B	C
0 - 600	100	40	35	~ 84
	150	65	35	~ 112
600 - 1600	150	65	40	~ 119

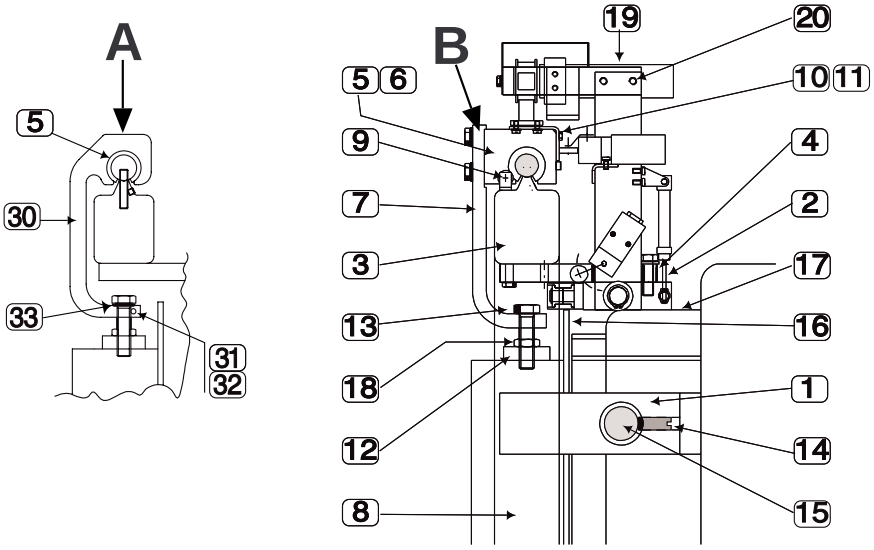
Datafil:C:\FILES\MAKERDOC\AM-HBOK\HAND-BOK\5625194e.r04
Ugåva nummer 4

562 51 94

Click here to EXIT Manual

Horizontally opening motor-operated door, Door system 92A
Issued by: Anders Carlsson

TYPE A
ALUMINIUM DOOR HANGER



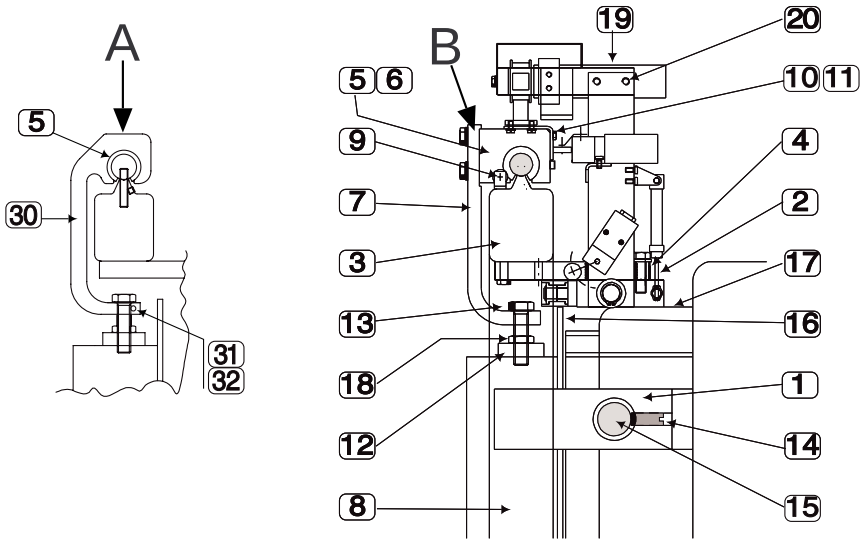
3. Fit the ball bushing (5) with the door hanger (30) and any pole, if used.
4. Fit the bush connector (10) on the door hanger without tightening the bolts. Do not tighten the bolts (11) until the ball bushings are carrying the weight of the door.
5. Fit the buffers to the beam (3).

The buffers must be fitted before the door is hung on to the ball bushing in order to prevent it accidentally rolling off.

6. Fit the door holders (12) to the door.
7. Insert the support bolt (13) with the washer (33) under the bolt head and nut (18) in the slit in the door hanger and screw it into the door holder without lifting the door. Fit the pin (32) and circlips (31).
8. Screw in the support bolts (13) until the door is hanging freely.
9. Remove the transportation spacers(1) from the bolt holes and then tighten the bolts (11) on the bush connector.

Datafil:C:\FILES\MAKERDOC\AM-HBOK\HAND-BOK\5625194e.r04
Ugåva nummer 4

TYPE B
STAINLESS STEEL DOOR HANGER



3. Fit the ball bushing and bearing housing (5, 6) and support brackets (7) with bolts and nuts and any pole (8), if used.
4. Fit the bush connector (10) to the bearing housings without tightening the bolts. Do not tighten the bolts (11) until the ball bushings are carrying the weight of the door.
5. Fit the buffers to the beam (3).

The buffers must be fitted before the door is hung on to the ball bushing in order to prevent it accidentally rolling off.

6. Fit the door holders (12) to the door and screw in the support bolts (13) into the door holders until the door is hanging freely.
7. Remove the transportation spacers(1) from the lugs and then tighten the bolts (11).

HEIGHT ADJUSTMENT
Adjust the height of the door by the two support bolts (13). The height is correct when the adjusting bolts (14) touch the pins (15) on their centre line. In this position, the top of the door plate (16) and the top of the heating channel (17) should be at the same level.
Check that at least 15 mm length of thread of the support bolts (13) are engaged, and tighten the locknuts (18) against the door holders (12).

Datafil:C:\FILES\MAKERDOC\AM-HBOK\HAND-BOK\5625194e.r04
Ugåva nummer 4

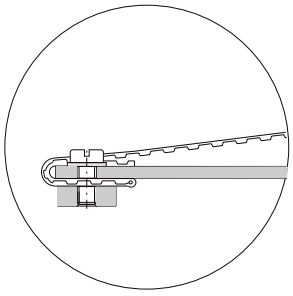
TOTAL DOOR CLEARANCE
Close the door and insert a piece of metal sheet at each corner between the door plate and the sealing groove. The thickness of these spacers should be 3 mm for doors with 100 mm frames and 6 mm for doors with 150 mm frames.
Carefully tighten all adjusting bolts so that the spacers are just retained. Lock the adjusting bolts and remove the spacers.

VERTICAL ADJUSTMENT
If the distances above and below the door are not the same, the position of the centre of gravity must be adjusted.
Slacken the door holder bolts and adjust their positions in their oval holes until the door is hanging vertically. Retighten the bolts. The front of the door must be fitted while this is being done.

FORE-AND-AFT ADJUSTMENT
Slacken the beam holder bolts and move the holders in their oval holes until the door is hanging equidistant in the total door gap, i.e. the distance between the chamber and the door must be the same as the distance between the pin and its adjustment bolt. Retighten the beam holder bolts. Do not touch the beam holder adjustment bolts, but check that the horizontal setting of the beam is maintained.

GUIDE ROLLERS
Adjust and tighten the guide rollers at the lower edge of the door. The correct distance between the rollers and the door is about 1 mm.

TOOTHED DRIVE BELT
Fit the belt somewhat slack so that the motor can overcome its static friction without having to move the door. The guide rollers prevent the belt from slipping when it is slack.
Bend the belt double to provide an easy bend radius and to reduce the risk of wear.



STOP WITH PNEUMATIC LIMIT SWITCH VALVE
Using the threaded end of the piston rod, adjust the position of the stop so that the roller lifts 2-3 mm above the door plate when the cylinder is pressurised. When not pressurised, the stop must prevent the door from opening. The clearance between side of the door plate and the roller must be 1-2 mm. Check that the pneumatic limit switch valve shuts off

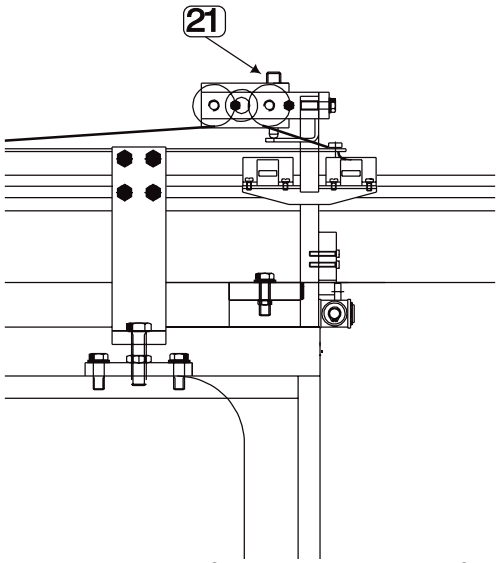
Datafil:C:\FILES\MAKERDOC\AM-HBOK\HAND-BOK\562519 4e.r04
Ugåva nummer 4

the air flow before the roller has been lifted through a height of half its diameter above the top of the door plate.

POSITIVE BREAK ELECTRIC SAFETY LIMIT SWITCH

- **Door closed.** Fully close the door and then adjust the length of the bearing bush connector (10) so that the gap between it and the roller on the switch is 2-3 mm when the switch is changing over. While slowly closing the door, check that is less than 5 mm from the fully closed position when the limit switch operates.
- Door open. Bend the tongue on the bearing connector so that the switch operates when the door pins have reached 8-10 mm past the inner edge of the sterilizer chamber.

PNEUMATIC MOTOR

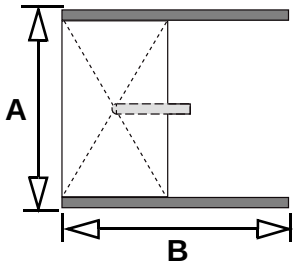


IEC 1010-2-41 specifies that the closing force of the door motor must not exceed 150 N. Getinge's door system complies with this requirement when the equipment is supplied.
Adjust the tension of the spring supporting the motor by bolt (21) so that the valve interrupts the air supply to the motor if door travel is obstructed.
NOTE: Too low a spring tension will cause the door to stop unnecessarily.

Horizontally opening motor-operated door, Door system 92A
Issued by: Anders Carlsson

Dismantling

There are two alternatives:



I. When A < B on the assembled sterilizer.

II. When A > B and when only the chamber is supplied.

ALTERNATIVE 1
Transportation locking device only
(Door beam not removed)

- With the door closed, lift it without using the support bolts (in order not to upset the height adjustment), and insert transportation spacers in two lugs on each side of the door.
- Lower the door so that it rests on the spacers, and check that the door support system no longer carries its weight. Bolt the transport bar to the side of the door.
- Remove the toothed belt at the motor end and remove the motor unit (19) by removing bolts (20).
- Refit the toothed belt and the securing bolts (20).
- Pack the motor unit with desiccant in a sealed plastic bag.

ALTERNATIVE II
With the door beam removed

- Secure the door for transport as described in Alternative I above.
- Remove any support pole if fitted.

TYPE A
Aluminium door hangers

- Remove a circlip (31) and extract the locking pin (32).
- Remove the bolts that hold the beam.

Datafil:C:\FILES\MAKERDOC\AM-HBOK\HAND-BOK\562519 4e.r04
Ugåva nummer 4

- Lift away the beam and bar, the door hangers, the ball bushings and the bearing connector with drive belt as one unit, and pack them as a unit.

Do not alter the settings of the support bolts.

- Refit the locking pins, circlips and bolts in position.

TYPE B
Stainless steel door hangers

- Remove the bolts between the hangers and the bearing housing and between the beam and its supports.
- Lift away the beam and bar, the bearing housing with ball bushings and the bearing connector with drive belt as one unit, and pack them as a unit.

Do not alter the settings of the support bolts.

- Strap the hangers to a board or pallet and refit the bolts in position.

REFITTING

ALTERNATIVE I
With transport braces only
(Door beam not fitted)

- Remove the transport brace on the side of the door.
- Lift the door, without using the support bolts (in order not to upset the height adjustment), and remove the transportation spacers.
- Lower the door.
- Check the height setting of the door. If it is correct, the adjustment bolts should meet the pins on their centre lines.
- Remove the toothed drive belt at the motor end and fit the motor unit by means of bolts (20). See the drawing on page 3 for positioning.
- Fit the toothed drive belt with some slackness, so that the motor can overcome its starting friction before it has to move the door.

Datafil:C:\FILES\MAKERDOC\AM-HBOK\HAND-BOK\562519 4e.r04
Ugåva nummer 4

ALTERNATIVE II
With the door beam removed

TYPE A
Aluminium door hangers

- Lift the beam unit (3) on to the beam supports (2) and make sure that the support bolts with the washer (33) under the bolt head locate in the slits in the hangers.
- Secure the beam and fit the locking pins (32) with the circlips in the hangers.
- Refit the support pole under the door beam, if used.
- Carry out the operations described above under ALTERNATIVE I.
- Check the fore-and-aft position of the door: see 'FORE-AND-AFT ADJUSTMENT' on page 4

TYPE B
Stainless steel door hangers

- Lift the beam unit (3) on to the beam supports (2) and bolt it fast. Bolt the door hangers (7) to the bearing housings (6). Make sure that the upper mount of the door hangers is properly positioned against the machined surface of the upper side of the bearing housing.
- Refit the support pole under the door beam, if used.
- Carry out the operations described above under ALTERNATIVE I.
- Check the fore-and-aft position of the door: see 'FORE-AND-AFT ADJUSTMENT' on page 4

Datafil:C:\FILES\MAKERDOC\AM-HBOK\HAND-BOK\562519 4e.r04
Ugåva nummer 4